

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 76833

November 22, 2011 8:09:48 AM

76833

Page 2

Item ID: D6104-007 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Round Billet, 17-4
 Start Date: 11/22/11 Start Qty: 12.00 ***12*** Cust Item ID:
 Required Date: 12/06/11 Req'd Qty: 12.00 ***12*** Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: CNC	0.00				12	0		
130	Memo	0.00							
Packaging									
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140	Memo	0.00							
QC									
Quality Control									

11-12-14
 (12)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



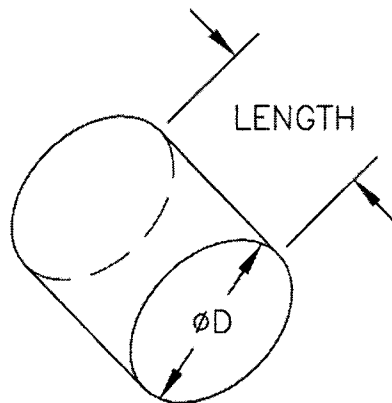
DESIGN PT	DRAWN BY [Signature]	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. D6104	Rev. B SHEET 1 OF 1
DATE 02.11.25		TITLE ROUND BILLET, 17-4	SCALE NTS
A	01.04.10	NEW ISSUE	
B	02.11.25	CLARIFY ALLOY SPEC ADDED D6104-009/-011 REDUCE LENGTH OF BILLETS	

RELEASED

02.11.29 [Signature]

SPECIFICATION CONTROL DRAWING

CL 1111122
W10:76833



MATERIAL: 17-4 PH SS (AMS 5643 OR AISI 630) MIN UTS = 170 KSI (38 HRC)

PURCHASE MATERIAL ACCORDING TO THE FOLLOWING TABLE. SPECIFY ALLOY, DIAMETER x LENGTH (+0.030/-0.000) AS SHOWN.

TOLERANCE ON ALL DIMENSIONS IS +0.030/-0.000.

ALL DIMENSIONS ARE IN INCHES

Part No.	Alloy	D (Diameter)	Length
D6104-001	17-4 PH STAINLESS STEEL	Ø3.00	3.80
D6104-003	17-4 PH STAINLESS STEEL	Ø3.25	3.80
D6104-005	17-4 PH STAINLESS STEEL	Ø4.00	5.10
D6104-007	17-4 PH STAINLESS STEEL	Ø4.50	5.10
D6104-009	17-4 PH STAINLESS STEEL	Ø5.25	4.10
D6104-011	17-4 PH STAINLESS STEEL	Ø6.50	4.10

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

No: PEC 743504
Ship Date 12Dec11 at 16:38 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp CARMELA AGNIHOTRI
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-393125- 1 Your PO # 15517
STAINLESS STEEL ROUND BAR 17-4 STAINLESS
5.25" DIA X 4.1000"
D6104-009

DO NOT CHARGE E/S - ADDED ON ORDER S/O#393122

Heat Number	Tag No	Quantity	PCS	Wt LBS
253271	17847	4 ' 1.2000 "	12	302

2) Our Order PEC-393125- 2 Your PO # 15517
STAINLESS STEEL ROUND BAR 17-4 HFRT
4.50" DIA X 5.1000"
D6104-007P

Heat Number	Tag No	Quantity	PCS	Wt LBS
254453	510093	5 ' 1.2000 "	12	280

TOTAL:	Tags	PCS	LBS
	2	24	582

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL (1,2) 1 SKID, 1 BDL GW. 644 LBS

***** CLOSED FOR THE HOLIDAYS *****

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

B I L L O F L A D I N G

No: PEC 743504
Ship Date 12Dec11 at 16:38 From PFW

Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp CARMELA AGNIHOTRI
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

ON DEC. 26TH & 27TH, 30TH & JAN. 2ND.
WE ARE OPENED FOR BUSINESS ON DEC. 28TH & 29TH.
HAVE A HAPPY HOLIDAY SEASON!
*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

8/8

18/1699006

ddn wasson

11/20/11

**VALBRUNA****SLATER STAINLESS, INC.**2400 Taylor Street West, P.O. Box 630
Fort Wayne, Indiana USA 46801
Phone: 260-434-2892 Fax: 260-434-2905**Product Certification Report**Report Number: **4647360**

Certified on Apr 05, 2011 Page 1 of 2

Order I.D. 1100324 002		Order Date 1/31/11		Commodity Code	
Dim 1 5.2500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 253271	Customer I.D. 002573	Customer Purchase Order 5400092936-R01
Product Shape Rounds		Product Surface HR & Rough Turned			Customer Grade 17-4
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 414222	Weight	

Ship ToAttention: TKX LOGISTICS
COPPER AND BRASS SALES
8001 THYSSENKRUPP PARKWAY
NORTHWOOD, OH 43619**Sold To**VALBRUNA STAINLESS, INC.
2400 TAYLOR STREET WEST
FORT WAYNE, IN 46802**Lifts: 0041**

CONDITION A

UNS S17400

ASTMA 484-09

ASTMA 564-04

ASMESA 564 07 ED

ASTMA 370-08A

AMS 5643R (except finish)

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	N	Cb	Ta	Cb+Ta
.023	.55	.025	.023	.42	15.39	4.16	.23	3.21	.03	.27	.000	.270

BRINELL HARDNESS ASTM E10-08

HBW

349

TENSILE PROPERTIES ASTM E8-08**CAPABILITY**

Cap HB	TS (PSI)	.2%YS (PSI)	%EL(4d)	%RA	AGE(F)
428	201000	183300	14.4	51.3	900

MAGNETIC PARTICLE TEST

FREQ SEV

AVG .00 .00

PRODUCTION HEAT TREATMENT

SOL-ANN(F)	SOL-ANN(HR)	QUENCH
1900	8.50	Air

MACRO ASTM E340-00/E381-01

MACRO

OK

OK

PERCENT FERRITE

% FERRITE Etchant Magnification X

AVG 1.2 Marbles 100

Free of mercury and low melting alloy contamination.

No welding or weld repair done.

Reduction ratio 5 To 1 Min.

Tensile specimen size .505".

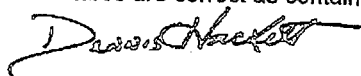
Chemical testing performed to one or more of the following ASTM methods: E415-08, E572-02a, E1019-08, E1085

Location of tensile fracture: inside middle of gage length.

Chemical Analysis performed at Acciaierie Valbruna, Italy.

Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal law, Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info. I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services



Dennis Hackett



VALBRUNA

SLATER STAINLESS, INC.

2400 Taylor Street West, P.O. Box 630
Fort Wayne, Indiana USA 46801
Phone: 260-434-2892 Fax: 260-434-2905

Product Certification Report

Report Number: 4647360

Certified on Apr 05, 2011 Page 2 of 2

Order I.D. 1100324 002		Order Date 1/31/11		Commodity Code	
Dim 1 5.2500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 253271	Customer I.D. 002573	Customer Purchase Order 5400092936-R01
Product Shape Rounds		Product Surface HR & Rough Turned			Customer Grade 17-4
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 414222	Weight	

Ship
To

Attention: TKX LOGISTICS
COPPER AND BRASS SALES
8001 THYSSENKRUPP PARKWAY
NORTHWOOD, OH 43619

Sold
To

VALBRUNA STAINLESS, INC.
2400 TAYLOR STREET WEST
FORT WAYNE, IN 46802

No mercury or low melting alloy contamination. No weld repair.
Material melted in Italy, manufactured in the United States.
Material conforms to listed specifications and is DFARS compliant.
Quality system is compliant with ISO 9001:2008. Produced in accordance with EN 10204 3.1.

TK Materials
pec 235018
302454
2401573024
12

Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal law, Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info. I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

Dennis Hackett

**VALBRUNA**

SLATER STAINLESS, INC.
 2400 Taylor Street West, P.O. Box 630
 Fort Wayne, Indiana USA 46801
 Phone: 260-434-2892 Fax: 260-434-2905

Product Certification Report**Report Number: 4702250**

Certified on Sep 21, 2011 Page 1 of 2

Order I.D. 1101783 003		Order Date 7/08/11		Commodity Code	
Dim 1 4.5000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 254453	Customer I.D. 002474	Customer Purchase Order 30806
Product Shape Rounds			Product Surface HR & Rough Turned		Customer Grade 630
Length (inches) 132.000 Min. 156.000 Max.			Bill of Lading # 415317	Weight	

*Ship
To*

VALBRUNA STAINLESS, INC.
13950 BENSON AVENUE
CHINO, CA 91710

*Sold
To*

VALBRUNA CORP.
31 IRON HORSE ROAD
OAKLAND, NJ 07436

Lifts: 0016 0017

API 6A	AISI 17400	EN 10204 3.1
UNS S17400		
AMS 5643R (except finish)	ASTMA 564-10 Type 630	ASTM A484-10
ASMESA-564-07		

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	N	Cb	Ta	Cb+Ta
.04	.48	.017	.024	.44	15.83	4.43	.19	3.39	.04	.27	.001	.27

BRINELL HARDNESS ASTM E10-08

HBW

348

TENSILE PROPERTIES ASTM E8-08**CAPABILITY**

Cap HB	TS (PSI)	.2%YS (PSI)	%EL(4d)	%RA	AGE(F)
430	198800	174800	11.0	48.6	900

MAGNETIC PARTICLE TEST

FREQ SEV

AVG .00 .00

PRODUCTION HEAT TREATMENT

SOL-ANN(F)	SOL-ANN(HR)	QUENCH
1900	8.25	Air

MACRO ASTM E340-00/E381-01

MACRO

OK

OK

OK

GRAIN SIZE ASTM E112-96

GRAIN SIZE	Etchant	Magnification X
6	Marbles	100

PERCENT FERRITE

% FERRITE	Etchant	Magnification X
9	Marbles	100

Reduction ratio 5 To 1 Min.

Electric Furnace melted; AOD refined.

Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal law, Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info. I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

Dennis Hackett

Dennis Hackett



VALBRUNA

SLATER STAINLESS, INC.

2400 Taylor Street West, P.O. Box 630
Fort Wayne, Indiana USA 46801
Phone: 260-434-2892 Fax: 260-434-2805

Product Certification Report

Report Number: **4702250**

Certified on Sep 21, 2011 Page 2 of 2

Order I.D. 1101783 003		Order Date 7/08/11		Commodity Code	
Dim 1 4.5000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 254453	Customer I.D. 002474	Customer Purchase Order 30806
Product Shape Rounds		Product Surface HR & Rough Turned			Customer Grade 630
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 415317	Weight	

Ship
To

VALBRUNA STAINLESS, INC.
13950 BENSON AVENUE
CHINO, CA 91710

Sold
To

VALBRUNA CORP.
31 IRON HORSE ROAD
OAKLAND, NJ 07436

Ultrasonic test OK.

Chemical testing performed to one or more of the following ASTM methods: E415-08, E572-02a, E1019-08, E1085-95,
Location of tensile fracture: inside middle of gage length.

Chemical Analysis performed at Acciaierie Valbruna, Italy.

No mercury or low melting alloy contamination. No weld repair.

Material melted in Italy, manufactured in the United States.

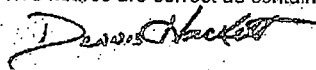
Material conforms to listed specifications and is DFARS compliant.

Quality system is compliant with ISO 9001:2008. Produced in accordance with EN 10204 3.1

2401574262
12/5/11
J2R

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Manager Laboratory Services


Dennis Hackett

**VALBRUNA**

SLATER STAINLESS, INC.
 2400 Taylor Street West, P.O. Box 630
 Fort Wayne, Indiana USA 46801
 Phone: 260-434-2892 Fax: 260-434-2905

Product Certification ReportReport Number: **4647360**

Certified on Apr 05, 2011 Page 1 of 2

Order I.D. 1100324-002		Order Date 1/31/11		Commodity Code	
Dim 1 5.2500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 253271	Customer I.D. 002573	Customer Purchase Order 5400092936-R01
Product Shape Rounds			Product Surface HR & Rough Turned		Customer Grade 17-4
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 414222	Weight	

Ship To

Attention: TKX LOGISTICS
 COPPER AND BRASS SALES
 8001 THYSSENKRUPP PARKWAY
 NORTHWOOD, OH 43619

Sold To

VALBRUNA STAINLESS, INC.
 2400 TAYLOR STREET WEST
 FORT WAYNE, IN 46802

Lifts: 0041

CONDITION A

UNS S17400

ASTMA 484-09

ASTMA 564-04

ASMESA 564 07 ED

ASTMA 370-08A

AMS 5643R (except finish)

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	N	Cb	Ta	Cb+Ta
.023	.55	.025	.023	.42	15.39	4.16	.23	3.21	.03	.27	.000	.270

BRINELL HARDNESS ASTM E10-08

HBW

349

TENSILE PROPERTIES ASTM E8-08**CAPABILITY**

Cap HB	TS (PSI)	.2%YS (PSI)	%EL(4d)	%RA	AGE(F)
428	201000	183300	14.4	51.3	900

MAGNETIC PARTICLE TEST

FREQ SEV

AVG .00 .00

PRODUCTION HEAT TREATMENT

SOL-ANN(F)	SOL-ANN(HR)	QUENCH
1900	8.50	Air

MACRO ASTM E340-00/E381-01

MACRO

OK

OK

PERCENT FERRITE

% FERRITE	Etchant	Magnification X
AVG 1.2	Marbles	100

Free of mercury and low melting alloy contamination.

No welding or weld repair done.

Reduction ratio 5 To 1 Min.

Tensile specimen size .505".

Chemical testing performed to one or more of the following ASTM methods: E415-08, E572-02a, E1019-08, E1085

Location of tensile fracture: inside middle of gage length.

Chemical Analysis performed at Acciaierie Valbruna, Italy.

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I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

Dennis Hackett

**VALBRUNA****SLATER STAINLESS, INC.**2400 Taylor Street West, P.O. Box 630
Fort Wayne, Indiana USA 46801
Phone: 260-434-2892 Fax: 260-434-2905**Product Certification Report****Report Number: 4647360****Certified on Apr 05, 2011 Page 2 of 2**

Order I.D. 1100324 002		Order Date 1/31/11		Commodity Code			
Dim 1 5.2500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 253271	Customer I.D. 002573	Customer Purchase Order 5400092936-R01		
Product Shape Rounds			Product Surface HR & Rough Turned			Customer Grade 17-4	
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 414222	Weight			

**Ship
To****Attention: TKX LOGISTICS
COPPER AND BRASS SALES
8001 THYSSENKRUPP PARKWAY
NORTHWOOD, OH 43619****Sold
To****VALBRUNA STAINLESS, INC.
2400 TAYLOR STREET WEST
FORT WAYNE, IN 46802**

No mercury or low melting alloy contamination. No weld repair.

Material melted in Italy, manufactured in the United States.

Material conforms to listed specifications and is DFARS compliant.

Quality system is compliant with ISO 9001:2008. Produced in accordance with EN 10204 3.1.

TK Materials
pec 235018
Weight: 302.454
2401573022
AD

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Manager Laboratory Services

Dennis Hackett

**VALBRUNA****SLATER STAINLESS, INC.**2400 Taylor Street West, P.O. Box 630
Fort Wayne, Indiana USA 46801
Phone: 260-434-2882 Fax: 260-434-2905**Product Certification Report**Report Number: **4702250**

Certified on Sep 21, 2011 Page 1 of 2

Order I.D. 1101783 003		Order Date 7/08/11		Commodity Code	
Dim 1 4.5000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 254453	Customer I.D. 002474	Customer Purchase Order 30806
Product Shape Rounds			Product Surface HR & Rough Turned		Customer Grade 630
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 415317	Weight	

Ship To**VALBRUNA STAINLESS, INC.**
13950 BENSON AVENUE
CHINO, CA 91710**Sold To****VALBRUNA CORP.**
31 IRON HORSE ROAD
OAKLAND, NJ 07436**Lifts: 0016 0017**

API 6A

AISI 17400

EN 10204 3.1

UNS S17400

AMS 5643R (except finish)

ASTMA 564-10 Type 630

ASTM A484-10

ASMESA-564-07

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	N	Cb	Ta	Cb+Ta
.04	.48	.017	.024	.44	15.83	4.43	.19	3.39	.04	.27	.001	.27

BRINELL HARDNESS ASTM E10-08

HBW

348

TENSILE PROPERTIES ASTM E8-08**CAPABILITY**

Cap. FB	TS (PSI)	.2%YS (PSI)	%EL(4d)	%RA	AGE(F)
430	198800	174800	11.0	48.6	900

MAGNETIC PARTICLE TEST

FREQ SEV

AVG .00 .00

PRODUCTION HEAT TREATMENT

SOL-ANN(F)	SOL-ANN(HR)	QUENCH
1900	8.25	Air

MACRO ASTM E340-00/E381-01

MACRO

OK

OK

OK

GRAIN SIZE ASTM E112-96

GRAIN SIZE	Etchant	Magnification X
6	Marbles	100

PERCENT FERRITE

% FERRITE	Etchant	Magnification X
9	Marbles	100

AVG .9

Reduction ratio 5 To 1 Min.

Electric Furnace melted; AOD refined.

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Manager Laboratory Services

Dennis Hackett

Dennis Hackett

**VALBRUNA****SLATER STAINLESS, INC.**2400 Taylor Street West, P.O. Box 630
Fort Wayne, Indiana USA 46801
Phone: 260-434-2892 Fax: 260-434-2905**Product Certification Report**Report Number: **4702250**

Certified on Sep 21, 2011 Page 2 of 2

Order I.D. 1101783 003		Order Date 7/08/11		Commodity Code	
Dim 1 4.5000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 254453	Customer I.D. 002474	Customer Purchase Order 30806
Product Shape Rounds			Product Surface HR & Rough Turned		Customer Grade 630
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 415317	Weight	

**Ship
To****VALBRUNA STAINLESS, INC.**
13950 BENSON AVENUE
CHINO, CA 91710**Sold
To****VALBRUNA CORP.**
31 IRON HORSE ROAD
OAKLAND, NJ 07436

Ultrasonic test OK.

Chemical testing performed to one or more of the following ASTM methods: E415-08, E572-02a, E1019-08, E1085-95,
Location of tensile fracture: inside middle of gage length.

Chemical Analysis performed at Acciaierie Valbruna, Italy.

No mercury or low melting alloy contamination. No weld repair.

Material melted in Italy, manufactured in the United States.

Material conforms to listed specifications and is DFARS compliant.

Quality system is compliant with ISO 9001:2008. Produced in accordance with EN 10204 3.1.

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Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal law, Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info. I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

Dennis Hackett